

CP234425 - Transportation Planning Practice

Module Name	Transportation Planning Practice
Module level, if applicable	Advance BoURP
Code, if applicable	CP234425
Subtitle, if applicable	-
Course, if applicable	Transportation Planning Practice
Semester(s) in which the module istaught	4 th Semester
Person responsible for the module	Siti Nurlaela, ST, M.COM, Ph.D
Lecturer	Siti Nurlaela, ST, M.COM, Ph.D
Language	Indonesian, English
Relation to curriculum	Compulsory Courses for undergraduate program in Urban and Regional Planning
Type of teaching, contact hours	Lecture (Face to face lecture) 3.33 hours x 14 weeks per semester M1: Group discussion M2: Simulation M3: Case study M4: Collaborative learning M5: Cooperative learning
Workload	Applied (4 SKS) Class: 2.83 hours x 14 weeks = 40hours Structured activities: 6 hours x 14 weeks = 84 hours Independent Study: 2.83 hours x 14 weeks = 40 hours Exam: 5 hours x 4 weeks = 20 hours Total = 184 hours
Credit points	4 SKS ~ 6.4 ECTS
Requirements according to theexamination regulations	Registered in this course. Minimum 80% attendance in this course
Recommended prerequisites	Transportation System
Module objectives/intended learning outcomes	General skill: 1. Students are able to understand the theoretical concepts of regional and urban planning in aspects of urban studies, regional studies, coastal studies, spatial science, planning science, data science, built environment design, infrastructure and transportation systems, environmental management, social systems, economics, management studies, and research / projects.

	<ol style="list-style-type: none"> 2. Students are able to understand spatial and non-spatial planning methods in decision making in the field of regional and urban planning. 3. Students are able to apply plan formulation techniques and compile alternative spatial / spatial models through qualitative and quantitative approaches in the form of scenarios for setting spatial patterns and spatial structures of cities, regions, coasts. 4. Students are able to compile planning concepts and plan directions through the study of strategic problems in the context of cities, regions, coasts with an understanding of planning problems through observation and utilization of physical/spatial, social, economic and environmental data. <p>Specific skills:</p> <ol style="list-style-type: none"> 1. Students are able to apply the principles and processes of transportation planning in understanding city/region/coastal transportation issues. 2. Students are able to conduct transportation surveys correctly in accordance with planning objectives, data needs and fulfil survey techniques. 3. Students are able to do transportation planning modelling. 4. Students are able to formulate transportation scenarios. 5. Students are able to formulate planning directions and stages of transportation planning. 6. Students are able to work together effectively in a team (Teamwork). 																		
Content	<ol style="list-style-type: none"> 1. The introduction of Transport Planning 2. Transport planning process 3. transportation survey 4. transport modelling 5. Scenario and transport planning 6. Discussion of case study 																		
Study and examination requirements and forms of examination	<p>5 assessments:</p> <table border="1" data-bbox="547 1447 1112 1921"> <thead> <tr> <th>Evaluation</th> <th>Method</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Preliminary Report Presentation</td> <td>15%</td> </tr> <tr> <td>2</td> <td>Preliminary Report: Survey Design</td> <td>25%</td> </tr> <tr> <td>3</td> <td>Final Report Presentation</td> <td>20%</td> </tr> <tr> <td>4</td> <td>Final Report: Document</td> <td>30%</td> </tr> <tr> <td>5</td> <td>Final Semester Exam</td> <td>10%</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 1. <i>Evaluation 1 - week 5</i> 2. <i>Evaluation 2 – week 6</i> 	Evaluation	Method	Weight	1	Preliminary Report Presentation	15%	2	Preliminary Report: Survey Design	25%	3	Final Report Presentation	20%	4	Final Report: Document	30%	5	Final Semester Exam	10%
Evaluation	Method	Weight																	
1	Preliminary Report Presentation	15%																	
2	Preliminary Report: Survey Design	25%																	
3	Final Report Presentation	20%																	
4	Final Report: Document	30%																	
5	Final Semester Exam	10%																	

	<p>3. Evaluation 3 – week 13-14</p> <p>4. Evaluation 4 – week 15</p> <p>5. Evaluation 5 – week 16</p>
Media employed	Classical teaching tools with white board and power point presentation, audiovisual, zoom meeting, ITS online classroom, ArcGis, SPSS, Excel, Wolfram math, UNA (Urban Network Analysis) App, StreetMix.
Reading list	<p>Main References:</p> <ol style="list-style-type: none"> 1. Meyer, Michael D. (2016). TRANSPORTATION PLANNING HANDBOOK FOURTH EDITION. Hoboken, New Jersey. John Wiley & Sons, Inc 2. Ferguson, Erik 2000. Travel Demand Management and Public Policy. Ashgate. 3. Ewing, Reid. 1997. Transportation and Land Use Innovations. APA. 4. Tamin, Ofyar Z 2000. Perencanaan dan Pemodelan Transportasi. Penerbit ITB. Bandung, 5. Meyer, Michael D and Eric J. Miller 2001. Urban Transportation Planning. Second Edition. Mc Graw-Hill. Singapore. 6. Papacostas, C.S dan P.D. Prevedouros (2001). Transportation Engineering and Planning. Prentice Hall. Honolulu. 7. Johnston, R.A. (2004). The Geography of Urban Transportation. 3rd Edition. Hanson, S dan Giuliano, G (ed). Chapter 5. The Urban Transportation Planning Process. pp. 115 – 140. The Guildford Press, New York and London. 8. McNally, Michael G. (2007). The Four Step Model. California, Irvine. Department of Civil and Environmental Engineering and Institute of Transportation Studies 9. Barthomolew, Keith. (2006). Land use-transportation scenario planning: Promise and Reality. Springer Science+Business Media B.V. 2006 <p>Supporting References:</p> <ol style="list-style-type: none"> 1. Regional Cities Urban Transport. Traffic Management. DKI Jakarta Training. 2. Direktorat Jendral Bina Marga. (2014). Pedoman Kapasitas Jalan Indonesia. Jakarta Selatan. Direktorat Jendral Bina Marga. 3. Delaware Valley Regional Planning Commision. (2014). White Paper Future of Scenario Planning. 4. DVRPC. (2014). The Future of Scenario Planning. Philadelphia: dvrpc.org. 5. Littman, T. (2013). Planning Principles and Practices. Victoria: vtpi.org. 6. Stopher, P.R dan A.H. Meyburg. (1975). Urban Transportation Modeling and Planning. Lexington Books. London. 7. Wachs, M. (2004). The Geography of Urban Transportation. 3rd Edition. Hanson, S dan Giuliano, G (ed). Chapter 4. Reflections on the Planning Process. pp. 141 - 162. The Guildford Press, New York and London 8. Gifford, Jonathan L. (2003). Flexible urban Transportation. Pergamon. An imprint of Elsevier Science. Amstermdam – Boston –

	London – New York – Oxford – Paris – San Diego – San Fransisco – Singapore – Sydney – Tokyo.
--	---